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IFW B 1637

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<b>TRANSMITTAL FORM</b> <small>(to be used for all correspondence after initial filing)</small>	Application Number	09/876,830
	Filing Date	June 6, 2001
	First Named Inventor	Michael W. Reed
	Art Unit	1637
	Examiner Name	Jezia Riley
Total Number of Pages in This Submission	Attorney Docket Number	290097.405

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Replacement Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD(s), Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): <u>Return-Receipt Postcard</u>
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual Name	David W. Parker Registration Number 37,414
Signature	
Date	May 17, 2004

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 09/876,830  
Confirmation No. : 8679  
Applicants : Michael W. Reed et al.  
Filed : June 6, 2001  
For : FLUORESCENT QUENCHING DETECTION REAGENTS AND  
METHODS

Examiner : Jezia Riley  
Art Unit : 1637  
Docket No. : 290097.405  
Customer No. : 35365  
Date : May 17, 2004

**Attn: Examiner Jezia Riley**  
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REPLACEMENT INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

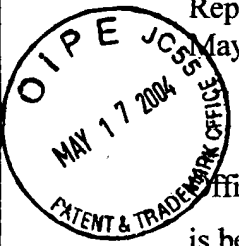
Please acknowledge receipt of this Replacement Information Disclosure Statement, which references were previously made known in the Information Disclosure Statement filed August 27, 2001, and kindly make the 48 cited references of record in the above-identified application.

As to any reference supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserves the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references were made known to the Patent and Trademark

09/876,830

Replacement Information Disclosure Statement

May 17, 2004



Office in compliance with applicants' duty to disclose all information they were aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Should the Examiner have any questions or concerns, she may contact the undersigned at (425) 831-4405 to resolve the matter.

Respectfully submitted,

David W. Parker

Registration No. 37,414

DWP:scc

Enclosures:

Postcard

Forms PTO-1449 ( 3 sheets)

Cited References (48)

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Bothell, WA 98021

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
**290097.405**APPLICATION NO.  
**09/876,830****INFORMATION DISCLOSURE STATEMENT**

(Use separate sheets if necessary)

APPLICANTS

**Michael W. Reed et al.**

FILING DATE

**June 6, 2001**

GROUP ART UNIT

**1637****U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						

**FOREIGN PATENT DOCUMENTS**

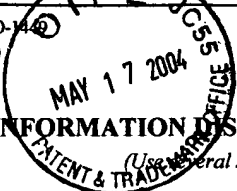
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
AB					

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	Nonisotopic DNA Probe Techniques, Academic Press, Inc., San Diego 1992, pp. 311-352
AD	Tyagi et al., <i>Nat. Biotech.</i> , 16:49-53 (1998)
AE	Nzarenko et al., <i>Nucl. Acid Res.</i> , 25:2516-2521 (1997)
AF	Lee et al., <i>Nucl. Acid Res.</i> , 21:3761-3766 (1993)
AG	Rothman et al., <i>Biog. Med. Chem. Lett.</i> , 9:509-512 (1999)
AH	Matayoshi et al., <i>Science</i> , 247:954-958 (1990)
AI	Li et al., <i>Bioconj. Chem.</i> , 10:241-245 (1999)
AJ	Hawthorne et al., <i>Anal. Biochem.</i> , 253:13-17 (1997)
AK	Bickett et al., <i>Ann. N.Y. Acad. Sci.</i> , 732:351-355 (1994)
AL	White et al., <i>Anal. Biochem.</i> , 268:245-251 (1999)
AM	Petrie et al., <i>Bioconj. Chem.</i> , 3:85-87 (1992)
AN	Reed et al., <i>Bioconjug. Chem.</i> , 2:217-225 (1991)
AO	Pon et al., <i>Nucl. Acids Res.</i> , 25:3629-3635 (1997)
AP	Haugland et al., Handbook of Fluorescent Probes and Research Chemicals, Sixth Edition, Eugene, OR, pp. 235-236 (1996)
AQ	Hirshberg et al., <i>Biochem.</i> , 37:10381-10385 (1998)
AR	Wiegant et al., <i>Cytogenet. Cell Genet.</i> , 63:73-76 (1993)

**EXAMINER****DATE CONSIDERED**

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-140 (REV. 7-80)  <b>INFORMATION DISCLOSURE STATEMENT</b> (Use multiple sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. <b>290097.405</b>	APPLICATION NO. <b>09/876,830</b>
	APPLICANTS <b>Michael W. Reed et al.</b>			
	FILING DATE <b>June 6, 2001</b>		GROUP ART UNIT <b>1637</b>	

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BA						

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
BB					

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

BC	Gamper et al., <i>Nucleic Acids Res.</i> , 21:145-150 (1993)
BD	Lukhtanov et al., <i>Bioconjugate Chem.</i> , 7:564-567 (1996)
BE	Eisen, <i>Methods in Enzym.</i> , 303:179-205 (1999)
BF	Boger et al., <i>J. Org. Chem.</i> , 52:1521- 1530 (1987)
BG	Uhlmann et al., <i>Angew. Chem. Inter. Ed.</i> , 37:2796-2823 (1998)
BH	Mayfield et al., <i>Anal. Biochem.</i> , 268:401-404 (1998)
BI	Holland et al., <i>Proc. Natl. Acad. Sci.</i> , 88:7276-7280 (1991)
BJ	Wittwer et al., <i>Biotechniques</i> , 22:176-181 (1997)
BK	Baker et al., <i>J. Chem. Soc.</i> , 170-173 (1950)
BL	Forchiassin et al., <i>J. Heterocyc. Chem.</i> 20:493-494 (1983)
BM	Seela et al., <i>J. Chem. Soc., Perkin Trans.</i> , 1:479-488 (1999)
BN	Innis et al. (eds.), <i>PCR Protocols</i> , pp. 1-27, Academic Press, San Diego (1990)
BO	Hames et al., (eds.), <i>Nucleic Acid Hybridisation: A Practical Approach</i> , pp. 47-110 IRL Press Limited, Oxford (1985)
BP	Van Ness et al., <i>Nucleic Acids Res.</i> , 19:5143-5151 (1991)
BQ	Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> , pp. 11.45-11.57, Second Edition, Cold Spring Harbor Laboratory Press (1989)
BR	Freifielder, <i>Physical Biochemistry</i> , pp. 700-712, Second Edition, Freeman & Co., San Francisco (1982)

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FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
290097.405APPLICATION NO.  
09/876,830

## INFORMATION DISCLOSURE STATEMENT

(Use separate sheets if necessary)

APPLICANTS

Michael W. Reed et al.

FILING DATE

June 6, 2001

GROUP ART UNIT

1637

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CA						

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
			YES	NO
CB				

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CC	Whitcombe, D. et al., <i>Nat. Biotech.</i> , 17:804-807 (1999)
CD	Cardullo et al., <i>Proc. Natl. Acad. Sci. USA</i> , 85:8790-8794 (1988)
CE	Du et al., PhotochemCAD. A Computer-Aided Design and Research Tool in Photochemistry, <i>Photochem. Photobiol.</i> , 68:141-142 (1998)
CF	Nielsen et al., <i>Science</i> , 254:1497-1500 (1991) bicyclo DNA oligomers
CG	Bolli et al., <i>Nucleic Acids Res.</i> , 24:4660-4667 (1996)
CH	Gamper et al., <i>Biochem</i> , 36:14816-14826 (1997)
CI	Milesi et al., <i>Methods Enzym.</i> , 313:164-73 (1999)
CJ	Livak et al, <i>PRC Methods Appl.</i> , 5:357-362 (1995)
CK	Ibrahim et al., <i>Mol. Cel. Probes</i> , 11:143-147 (1997)
CL	Demidov, <i>Proc. Natl. Acad. Sci. USA</i> , 92:2637-2641 (1995)
CM	Huang, <i>J. Org. Chem.</i> , 58:6235-6246 (1993)
CN	Seela, XIII International Round Table, Nucleosides, Nucleotides and Their Biological Applications, September 6-10, 1998, Poster 279
CO	Mayfield, <i>Biorg. Med. Chem. Lett.</i> , 9:1419-1422 (1999)
CP	Cantor et al., <i>Biopolymers</i> , 9:1059-1077 (1970)
CQ	ASANUMA et al., "Photo-Responsive Oligonucleotides Carrying Azobenzene in the Side-Chains", <i>Tetrahedron Letters</i> , 39:9015-9018 (1998)
CR	SOKOL et al., Real time detection of DNA-RNA hybridization in living cells", <i>Proc. Nat'l Acad. Sci.</i> , 95:11538-11543 (September 1998)

EXAMINER

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